# Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein, Ultra Low Endotoxin

**Cat. No.** MHC-MM453-UL

## Description

| | |
|---|---|
| **Source** | Recombinant Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. |
| | It contains His24-Pro297 (H-2K(b)), Ile21-Met119(B2M) and SIINFEKL peptide. |
| **Accession** | P01901(H-2K(b))&P01887(B2M)&SIINFEKL |
| **Molecular Weight** | The protein has a predicted MW of 50.20 kDa. Due to glycosylation, the protein migrates to 52-70 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 0.01 EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

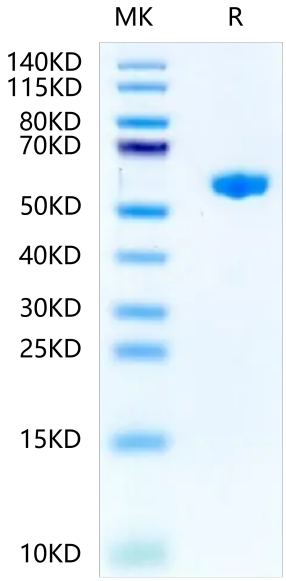
| | |
|---|---|
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **Reconstitution** | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Ovalbumin (OVA) has been historically a popular source of such antigens, since OVA can induce both humoral and cellular immune responses based on well-characterised peptide epitopes. The OVA257-264 octapeptide was one of the frst OVA epitopes to be characterised, it has an amino acid sequence SIINFEKL, which is recognised by cytotoxic T lymphocytes. SIINFEKL forms fbrillar assemblies similar to other peptide hydrogels. Te immunoactive properties of this peptide can therefore be related to its self-assembling nature.

## Assay Data

**Bis-Tris PAGE**



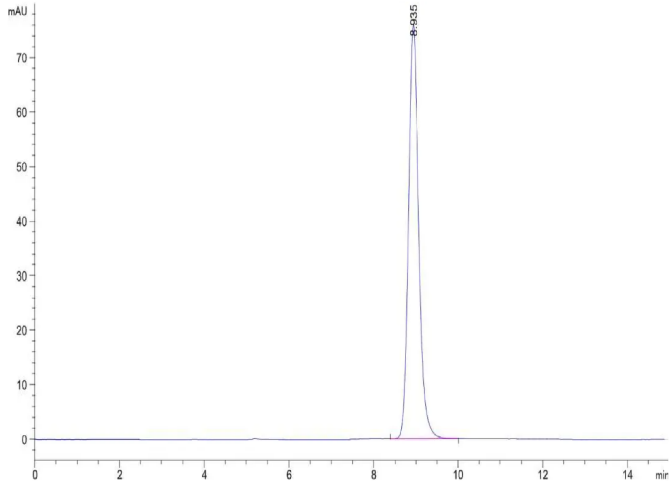

Mouse H-2K (b) &B2M&OVA (SIINFEKL) Monomer on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

# Mouse H-2K(b)&B2M&OVA (SIINFEKL) Monomer Protein, Ultra Low Endotoxin

**Cat. No.** MHC-MM453-UL

## Assay Data




The purity of Mouse H-2K (b) &B2M&OVA (SIINFEKL) Monomer is greater than 95% as determined by SEC-HPLC.